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(54) Title: TRANSITION BETWEEN GRAYSCALE AND MONOCHROME ADDRESSING OF AN ELECTROPHORETIC DISPLAY
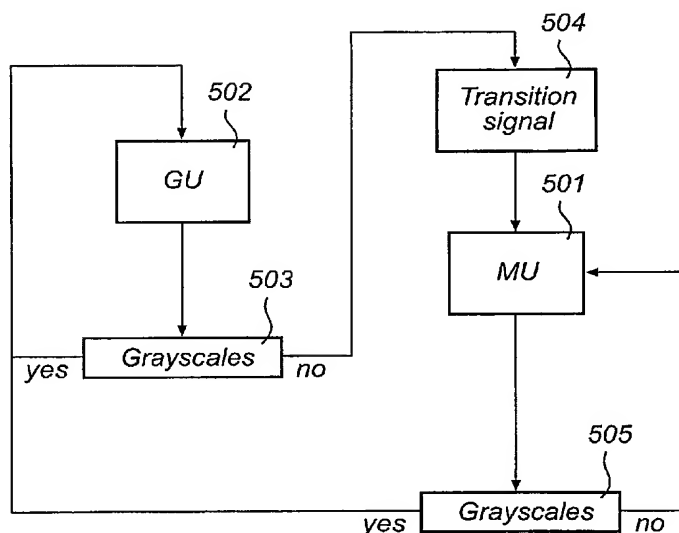
(57) Abstract: The present inventions relates to electrophoretic displays that are switchable between a grayscale updating mode (502) and a monochrome updating mode (501). The monochrome updating mode (501) provides for extreme pixel states only (e.g. black and white), whereas the grayscale updating mode (501) provides for intermediate grayscale pixels states as well. According to the present invention, a suitably selected transition signal (504) is applied when switching from the grayscale updating mode (502) to the monochrome updating mode (501). The transition signal (504) involves a drive pulse that serves to reduce the level of remnant DC voltage otherwise occurring in each pixel due to differences in the grayscale updating mode (502) and the monochrome updating mode (501).

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